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AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, or listings, of claims in the present application.

1. (Currently Amended) A process for producing polymers ~~comprising~~ having repeating units derived from at least one isoolefin monomer, at least one multiolefin monomer and, optionally, further copolymerizable monomers comprising: [,]
providing at least one isoolefin monomer, at least one multiolefin monomer, and, optionally, further copolymerizable monomers; and
polymerizing the at least one isoolefin monomer, at least one multiolefin monomer, and, optionally, further copolymerizable monomers in the presence of from 5 to 500 ppm of at least one organic nitro containing compound and AlCl₃/water
wherein the process is conducted in the absence of compounds selected from the group consisting of vanadium compounds, zirconium halogenid, and hafnium halogenides.
2. (Currently Amended) The A process according to Claim 1, wherein said organic nitro containing compound is of the general formula (I)
$$R-NO_2 \quad (I)$$

wherein R represents is selected from the group consisting of H, C₁-C₁₈ alkyl, C₃-C₁₈ cycloalkyl or C₆-C₂₄ cycloaryl.
3. (Canceled)
4. (Currently Amended) The A process according to Claim 1 any of the claims 1-3, wherein said at least one isoolefin monomer is isobutene.
5. (Currently Amended) The A process according to Claim 1 any of the claims 1-4, wherein said at least one multiolefin monomer is isoprene.

6. (New) The process according to Claim 1, wherein said at least one multiolefin monomer is provided at a concentration of greater than 2.5 mol %.
7. (New) The process according to Claim 1, wherein said at least one multiolefin monomer has a molecular weight M_w of greater than 240 kg/mol.
8. (New) A polymer prepared according to Claim 1.
9. (New) The polymer of Claim 8, wherein the multiolefin content is greater than 2.5 mol. %.
10. (New) The polymer of Claim 8, wherein the multiolefin has a M_w of greater than 240 kg/mol.